

TEST FIXTURE FOR EVALUATING RF IDENTIFICATION SYSTEM AND RELATED METHODS

Abstract

A test fixture for evaluating an RF identification system and related methods for evaluating an RF tag and/or an RF antenna, are disclosed. The test fixture provides predefined RF tag positions that can be used to test: read position, distance and antenna capability and adjustments. By placing an actual RF tag in each of the predefined positions, a read of the tag information can be performed. A three dimensional plot can then be established for the sensitivity field of the antenna. By placing the RF tag in various positions and orientations, the antenna can be adjusted until an optimum field is produced. The invention can also be used to determine RF tag performance within the optimized field.